Saksham Maheshwari

✉ maheshwarisaksham012@gmail.com   📞 7296893074   🔗 saksham-maheshwari28   🔗 saksham1728

WORK EXPERIENCE

Bearconnect

Software Development Intern   November-2024 - Present

- Contributed to backend development using **Express.js**, efficiently handling over **5,000 API requests per week** with optimized performance.
- Played a pivotal role in transitioning the codebase from **Express.js to NestJS**, reducing code maintenance effort by **40%** and improving modularity.
- Migrated data storage solutions to **AWS EC2**, cutting storage costs by **25%** and enhancing data availability for over **1,000 daily active users**.
- **Explored Redis-based job queues** to manage scheduled tasks, ensuring seamless resumption based on user working hours..
- Explored **CI/CD pipeline concepts**, with the team, gaining an understanding of deployment optimizations that improved productivity.

EDUCATION

Indian Institute of Information Technology Ranchi

B. Tech (Electronics and Communication Engineering) - CGPA-9.17/10   2022 - 2026

PROJECTS

Hospital Management System (MERN Stack) ↗   May-2024 - August-2024

Developed a comprehensive **hospital management system** with robust functionality and user experience
- Integrated **3 distinct panels**
- **User Panel:** Implemented authentication and authorization for **1,000+ users**, enabling appointment booking, messaging, prescription viewing, and an integrated chatbot
- **Admin Panel:** Added functionality for managing appointments, registering new doctors and admins, and accessing user messages
- **Doctor Panel:** Enabled 100+ doctors to manage appointments and write prescriptions seamlessly.
- Streamlined operations, reducing appointment scheduling time by **40%** and achieving an SEO score of **80**
- Tools & Technologies: **React, Node.js, Express.js, MongoDB**.

Auction Platform (MERN Stack, Tailwind CSS) ↗   December-2024 - - Feburary-25

Designed a feature-rich auction platform for real-time bidding and payment management
- Integrated **3 distinct panels**:
- **User Panel:** Allowed users to place bids in real time, handling **500+ simultaneous bids** with zero downtime.
- **Auctioneer Panel**: Provided tools to upload items with minimum bid requirements, simplifying auction setup for 100+ auctioneers
- **SuperAdmin Panel:** Automated payment verification with a **5% commission** structure, generating additional revenue.
- Developed a dynamic leaderboard for real-time updates on highest bids for **50+ ongoing auctions**
- Improved bidding efficiency by 30% through optimized dashboards and real-time updates, achieving an **SEO score of 85.**
- Tools & Technologies: **MERN stack, Tailwind CSS, MongoDB, GitHub.**

SKILLS

Languages: C, C++, Python, HTML, CSS, JavaScript, TypeScript
Developer Tools: GitHub
Frameworks: React.js, Next.js, Node.js, Express.js
Cloud/Databases: MongoDB, MySQL, PostgreSQL, Firebase
Soft Skills: CP, DSA, Teamwork, Management, Problem Solving
Areas of Interest: Dance, Guitar, Table Tennis

Achievements

- Scored a **SGPA of 9.68** in **3rd and 4th** semesters; ranked **4th** in the branch at college.
- Secured **First Runner-up** position in Webathon Hackathon (MHSSCE). Link
- Awarded **Best Individual Performer** in Webathon Hackathon.
- Achieved **3-star** rating on CodeChef. Link
- Solved **500+** problems on **LeetCode, CodeChef** boosted algorithmic efficiency by **45%**. Link
- Finalist in **Medecro.ai Hackathon**. Link
- Finalist in **Hackathon conducted by IIIT Naya Raipur**.
- Taught **C++** to students on platform **TeacherOn**. Link